#### PATENT COOPERATION TREATY

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ELI LILLY AND COMPANY **Patent Division** 

#### From the INTERNATIONAL SEARCHING AUTHORITY

To: ELI LILLY AND COMPANY Attn. Legrandeur, Thomas P.O. Box 6288 Indianapolis, IN 46206-6288 UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND

THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1) Date of mailing (day/month/year) 27/12/2004 Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below X-16212 ✓ International application No. International filing date (day/month/year) 24/09/2004 V PCT/US2004/028811 ✓ Applicant ELI LILLY AND COMPANY

| 1. | x                | The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.                                                                                                                                                                                                                                                                                          |
|----|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                  | Filing of amendments and statement under Article 19:  The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):  When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.                                                                                                    |
|    |                  | Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41–22) 740.14.35                                                                                                                                                                                                                                                                                                                                        |
|    |                  | For more detailed instructions, see the notes on the accompanying sheet.                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. |                  | The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the international Searching Authority are transmitted herewith.                                                                                                                                                                                                                                  |
| 3. |                  | With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:                                                                                                                                                                                                                                                                                                                                                               |
|    |                  | the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  on decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.                                                                                                                                     |
| 4. | Rem              | ninders                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|    | interi<br>appli  | rity after the expiration of <b>18 months</b> from the priority date, the international application will be published by the national Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international ication, or of the priority claim, must reach the International Bureau as provided in Rules 90 <i>bis.</i> 1 and 90 <i>bis.</i> 3, respectively, re the completion of the technical preparations for international publication. |
|    | Interi<br>interi | applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the national Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an national preliminary examination report has been or is to be established. These comments would also be made available to bublic but not before the expiration of 30 months from the priority date.                                        |
|    | exan<br>date     | in 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary nination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed for entry into the national phase before those designated Offices.                          |
|    | In re            | spect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19                                                                                                                                                                                                                                                                                                                                                           |

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Guide, Volume II, National Chapters and the WIPO Internet site.

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Authorized officer

Wolfgang-Peter Schießl

#### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international proliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

### PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference                                                                                                                                                                              | FOR FURTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | see Form PCT/ISA/220                                |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------|--|--|--|--|
| X-16212                                                                                                                                                                                                            | ACTION as well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               | as, where applicable, item 5 below.                 |  |  |  |  |
| International application No.                                                                                                                                                                                      | International filing date (day/mont                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | h/year)       | (Earliest) Priority Date (day/month/year)           |  |  |  |  |
| PCT/US2004/028811                                                                                                                                                                                                  | 24/09/2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | :             | 26/09/2003                                          |  |  |  |  |
| Applicant                                                                                                                                                                                                          | <u>.                                      </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                     |  |  |  |  |
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| ELI LILLY AND COMPANY                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                     |  |  |  |  |
| This International Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                     |  |  |  |  |
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| This International Search Report consists  It is also accompanied by                                                                                                                                               | s of a total of <u>06</u> sh<br>y a copy of each prior art document of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | report                                              |  |  |  |  |
| 123 Te is also accompanied b                                                                                                                                                                                       | a copy of each prior art document                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | onco in uno   |                                                     |  |  |  |  |
| Basis of the report                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                     |  |  |  |  |
|                                                                                                                                                                                                                    | international search was carried ou<br>less otherwise indicated under this i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               | is of the international application in the          |  |  |  |  |
| The international this Authority (Re                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | of a transla  | ation of the international application furnished to |  |  |  |  |
|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | e disclosed i | in the international application, see Box No. I.    |  |  |  |  |
| 2. X Certain claims were for                                                                                                                                                                                       | and unsearchable (See Box II).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                     |  |  |  |  |
| 3. Unity of invention is lac                                                                                                                                                                                       | cking (see Box III).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                                     |  |  |  |  |
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| 4. With regard to the title,                                                                                                                                                                                       | others than the state of the st |               |                                                     |  |  |  |  |
|                                                                                                                                                                                                                    | ubmitted by the applicant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | e-            |                                                     |  |  |  |  |
| (ne text has been establi                                                                                                                                                                                          | shed by this Authority to read as folk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Jws.          |                                                     |  |  |  |  |
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| 5. With regard to the abstract,                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                     |  |  |  |  |
| l <u> </u>                                                                                                                                                                                                         | ubmitted by the applicant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                                                     |  |  |  |  |
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|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | h report, submit comments to this Authority.        |  |  |  |  |
| 6. With regards to the drawings,                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | •                                                   |  |  |  |  |
| a. the figure of the drawings to be                                                                                                                                                                                | published with the abstract is Figure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No            |                                                     |  |  |  |  |
| as suggested by                                                                                                                                                                                                    | the applicant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                     |  |  |  |  |
| as selected by th                                                                                                                                                                                                  | nis Authority, because the applicant f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ailed to sug  | gest a figure.                                      |  |  |  |  |
| as selected by th                                                                                                                                                                                                  | is Authority, because this figure bett                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | er characte   | rizes the invention.                                |  |  |  |  |
| b. none of the figures is to b                                                                                                                                                                                     | pe published with the abstract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                     |  |  |  |  |

Form PCT/ISA/210 (first sheet) (January 2004)

International Application No PCT/US2004/028811

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K48/00 C12M C12N15/867 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K C12N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. P,X DODART J C ET AL: "Lentivirus - mediated 1 - 36expression of human apolipoprotein E alters brain Abeta burden in an isoform dependent manner in PDAPP mice." SOCIETY FOR NEUROSCIENCE ABSTRACT VIEWER AND ITINERARY PLANNER, vol. 2003, 2003, pages Abstract No. 730.2 URL-http://sf, XP001204184 & 33RD ANNUAL MEETING OF THE SOCIETY OF NEUROSCIENCE; NEW ORLEANS, LA, USA; NOVEMBER 08-12, 2003 abstract Y WO 97/16458 A (UNIV BOSTON; KOS HOLDINGS 1 - 36INC (US)) 9 May 1997 (1997-05-09) cited in the application page 9 - page 17 Further documents are listed in the continuation of box C Patent family members are listed in annex Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on prority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. \*P\* document published prior to the international filing date but later than the priority date claimed '&' document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 7 December 2004 27/12/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Pijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Renggli-Zulliger, N Fax (+31-70) 340-3016

1

International Application No
PCT/US2004/028811

| 5-8,<br>15-18,<br>31-34                       |
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| 5-8,<br>15-18,                                |
| 15-18,                                        |
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| 5-8,<br>15-18,<br>31-34                       |
| 5-10,<br>15-21,<br>31-36                      |
| 1,3,4,<br>11,13,<br>14,22,<br>23,27,<br>29,30 |
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| 0.70 15    | POOLUICUTO CONSIDERED TO DE DEL FINANT                                                                                                                                                                                                                                                  | 1707/032004/028811                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Category ° | Indication   DOCUMENTS CONSIDERED TO BE RELEVANT    Criation of document, with indication, where appropriate, of the-relevant passages                                                                                                                                                  | Relevant to claim No.                            |
| Y          | ROYSTON M C ET AL: "APOLIPOPROTEIN E EPSILON 2 ALLELE PROMOTES LONGEVITY AND PROTECTS PATIENTS WITH DOWN'S SYNDROME FROM DEMENTIA" NEUROREPORT, RAPID COMMUNICATIONS OF OXFORD, OXFORD, GB, vol. 5, no. 18, 20 December 1994 (1994-12-20), pages 2583-2585, XP000198185 ISSN: 0959-4965 | 1,3,4,<br>11,13,<br>14,<br>22-24,<br>27,29,30    |
| Y          | abstract  OYAMA FUMITAKA ET AL: "Apolipoprotein E genotype, Alzheimer's pathologies and related gene expression in the aged population"  MOLECULAR BRAIN RESEARCH,  vol. 29, no. 1, 1995, pages 92-98,  XP002309346  ISSN: 0169-328X abstract                                           | 1,3,4,<br>11,13,<br>14,22,<br>23,25,<br>27,29,30 |
| Y          | SJOGREN M ET AL: "Tacrine and rate of progression in Alzheimer's disease: Relation to ApoE allele genotype" JOURNAL OF NEURAL TRANSMISSION, SPRINGER VERLAG, VIENNA, AT, vol. 108, no. 4, 2001, pages 451-458, XP002265850 ISSN: 0300-9564 abstract                                     | 1-4,<br>11-13,<br>22,23,<br>26-30                |

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## **INTERNATIONAL SEARCH REPORT**

| Box II    | Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| This Inte | ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:                                                                                           |
| 1. X      | Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:                                                                                                                  |
|           | Although claims $136$ are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.                                        |
| 2.        | Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: |
|           |                                                                                                                                                                                                                            |
| 3.        | Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).                                                                                       |
| Box III   | Observations where unity of invention is lacking (Continuation of item 3 of first sheet)                                                                                                                                   |
| This Inte | ernational Searching Authority found multiple inventions in this international application, as follows:                                                                                                                    |
|           |                                                                                                                                                                                                                            |
|           |                                                                                                                                                                                                                            |
|           |                                                                                                                                                                                                                            |
| 1.        | As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.                                                                                   |
| 2.        | As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.                                                                       |
| 3.        | As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:                       |
|           |                                                                                                                                                                                                                            |
|           |                                                                                                                                                                                                                            |
| 4.        | No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:           |
|           |                                                                                                                                                                                                                            |
|           |                                                                                                                                                                                                                            |
| Remark    | on Protest  The additional search fees were accompanied by the applicant's protest.                                                                                                                                        |
|           | No protest accompanied the payment of additional search fees.                                                                                                                                                              |

Information on patent family members

International Application No PCT/US2004/028811

| Patent document<br>cited in search report | į | Publication<br>date | •                                      | Patent family<br>member(s)                                                  |                         | Publication date                                                                               |
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Form PCT/ISA/210 (patent family annex) (January 2004)